1st & Final Bill

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166082

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Improvements to roads & drains at Shetty halli in Ward no.12 Shetty halli Sub division						
	Name of Contractor:- Inchara Construction						
	Job Code No:- 012-21-000013						
	Work order No: EE/DP/40/28/20-21 Dated: 29.06.2021						
	ಸಹಾಯಕ ಅಭಿಯಂತರರು ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ ಬಿಬಿಎಂಪಿ. ಬೆಂಗಳೂರು						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Scarifying bituminous Carpet / Surface dressing by Manual means inclusive disturbing the base and stacking of the useful materials including lost of all labour charges complete as per Specification. Qty vide Recorded Excel Measurements 426.0 m² Qty As per Agreement = 426 m² Qty = 426.0 m² @ 100/m² Rs 42600.00						
2)	Dismantling of Cement Concrete Pavement by Mechanical means with Pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and Stack piling at Designated location Work Complete as per S-8 Specification. Qty vide Recorded Excel Measurement = 445.23 m³						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

166083

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per agreement = 252.18 m³ @ 915/m³ Rs = 240[illegible] Qty up 125+1 Qty = 67.04 @ 915/m³ Rs = 60203.20 Qty down 125+1 Qty. 130.06 @ 1000.49/m³ Rs = 130124=00 Total Qty = 445.23 m³					4 = 431161.33	431159=00
	Earth work in Surface excavation by levelling and lowering the ground Manually (other than for formation of bunds etc. culverts, road drains and trenches of pipe lines and Cables) and removing the excavated stuff [illegible] and Compute the Work of						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	the S-B Specification qty vide Recorded Excel Measurement = 1545.71 m³ qty As per Agreement = 1574.09 m³ Total qty = 1545.71 m³ Limited to 1542.29					@ 315/m³ = 5,47,733.76 5,47,690.00	
(4)	Providing and laying plain Cement Concrete of mix 1:3:6 with ofc @ 22.5 kgs. with crushed 40mm & down size graded granite Metal Course aggregate @ 0.8 cum & fine aggregate @ 0.46 cum in foundation Complete As per Specification Quantity vide Recorded Excel Measurement = 47.26 m³ As per Agreement qty = 109.42 Total qty = 47.26 m³					@ 5510/m³ = 2,60,421.86 2,60,402.00	

Executed
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಲಕ್ಷ್ಮಿಪಲ್ಲ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

Serial No. 166084

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Cement Concrete pavement Construction of un reinforced plain Cement Concrete pavement thickness as per design over a prepared Sub base with opc Cement or any other type of as per Clause 1057.2.2 Design mix M20/M30, with 25mm & down size graded Metal Course Completed As per S-B Specification. Quantity vide Recorded Excel Measurement = 440.70 m³ As per Agreement = 252.18 m³ @ 5360/m³ = 13,51,684.00 up to 12.1.1 Qty = 63.04 m³ @ 5360/m³ = 3,37,894.00						

Executed
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಲಕ್ಷ್ಮಿಪಲ್ಲ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಲಕ್ಷ್ಮಿಪಲ್ಲ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							6,86,500 = 00
		Above 12'-1 Qty			= 175.48 m³	@	6864834.41
		Total Qty			= 440.70 m³	@	9376062.61
							23,76,079 = 00
(6)	Providing and laying plain/reinforced Cement Concrete for side drains with M20 Nominal Mix Concrete with OPC of 300 kg with 20mm and down size Granite Metal coarse aggregate at 0.69 Cum and fine aggregate at 0.43 Cum complete work of as per S-B Specifications.						
		Qty vide Recorded Excel Measurement = 97.20 m³					
		As per Agreement Qty = 234 nos					
		Total Qty = 97.20 m³ @ ₹ 190/m³				₹	6,95,868.00

Executive Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶಿಬ್ಬಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶಿಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

Serial No.....

166085

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing T.M.T Steel reinforced for R.C.C work including straightening cutting, bending, hooking, placing in position tapping and or welding wherever required, tying with binding wire completed the work as per S-B Specifications.						
		Qty vide Recorded Excel Measurement = 7.82 tons					
		As per Agreement = 14.43 tons					
		Total Qty = 7.82 tons				@ 85000/ton ₹	6,64,700.00

Executive Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶಿಬ್ಬಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Providing and laying in situ 10cm thick and finishing cutting. Including form work. Curing including cost of all materials complete as per specification.						
		Per Left Covering Slab	Main Canal			Out of CC 1:2:4	
		Qty vide recorded	Excel Measurement			= 148 50 m²	
			As per agreement			= 490 50 / m²	
		Total	Qty = 148 50 m² @ 1620 / m²			Rs. 240570.00	
(9)	Providing & laying in situ plain / reinforced Cement Concrete design mix M25 with OPC @ 380 kg/m³ with 20mm & down size graded granite metal complete as per Specification						
		Per Left	Rcc Slab 250mm	thick for	culverts	made	
		Qty vide	Recorded Excel	Measurement		= 105 00 / m²	
			As per Agreement			= 105 00 / m²	
		Total	Qty = 105 00 / m² @			7835 / m²	Rs. 418500.00

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 1660616

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Compaction of original ground with Hand roller 4 to 6 passes of 1 to 10 tonnes power roller. Including filling in depressions etc. complete Work as per Specification						
		Qty vide recorded	Excel Measurement			= 3372.90 m²	
		As per Agreement				= 210 m² @ 10/m²	Rs = 2100.00
		up to 125 / Qty				= 526 m² @ 10/m²	Rs. 5260.00
		Above 125 / Qty				= 762.90 m² @ 6.65/m²	Rs. 5102.85
		Passed Qty				= 3372.90 m²	Rs = 31442.85

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	providing, laying, spreading and compacting crushed stone aggregates of granite/trap I both to wet mix Macadam Specification including pre-mixing the material with water at OMC in mechanical mix plant complete the work as per Specification						
	Cost qty vide recorded Total measurement = 19355 m²						
	As per agreement = 155.05 m² @ Rs 2010/m²						
	up to 12.5% qty = 43.30 m² @ Rs 2010/m² = Rs 87078.30						
	— Total qty = 198.35 m²						
(12)	providing and applying primer coat with bitumen emulsion on prepared surfaces of granular base including cleaning of road surface and spreading primer at the rate of 0.6 kg/m² complete as per Specification						
	Cost qty vide recorded Total Measurement = 42640 m²						
	As per agreement = 42640 m²						

Executive Engineer
Zilla Panchayat No 12, Dharwad
Dharwad

Executive Engineer
Zilla Panchayat No 12, Dharwad
Dharwad

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 168067

Serial No.

Name of work From To

Name of Contractor or nature of Agency

Date of commencement of work

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	providing & laying dense graded bituminous macadam using crushed aggregates of specified grading premixed with VG 30 grade bitumen binder and transporting completed work as per specification.						
	Total qty = 4.25 m² @ Rs 2010/m² = Rs 8542.50						
	Qty vide recorded Total Measurement = 13.20 m²						
	As per Agreement = 13.20 m²						
	Total qty = 17.04 m² @ Rs 6032/m² = Rs 102826.40						

Executive Engineer
Zilla Panchayat No 12, Dharwad
Dharwad

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Cleaning the existing black topped surface with brooms, soft brushes and finally drying him old pumy by air compressed air to receive bituminous treatment completed work as per Specification. Qty vide Recorded Excel Measurement = 426.00 m2 As per Agreement = 426.00 m2 Total Qty = 426.00 m2 @ 6.00/m2 Rs 2556.00						
(15)	providing and applying tack Coat using 80/100 grade bitumen (VG10) on the prepared black topped Surface at 0.9 kg per 10 sqm. heating bitumen in boiler fitted Completed work As per S-R Specification. Qty vide Recorded Excel Measurement = 426.00 m2 As per Agreement = 426.00 m2 Total Qty = 426 m2 @ 15/m2 Rs 6390.00						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 166088

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	providing and laying bituminous Concrete (Semi dense bituminous concrete) using hot mix plant, using crushed aggregates of Specified grading, premixed with bituminous binder Completed work as per Specification Qty vide Recorded Excel Measurement = 12.75 m3 As per Agreement = 12.75 m3 Total Qty = 12.75 m3 @ 7360/m3 Rs. 93840.00						
(17)	providing Sub base course by providing granular Sub base grading II as per MORTH Table 400-1 and thickness layer by providing Coarse aggregate of granite from approved Deposit Mixing in a Mechanical Mix plant at OMC Completed work as per S-R Specification. Qty vide Recorded Excel Measurement = 440.86 m3						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C-Sept						
	Certified that the above measurements are correct for the work executed	As per	Agreement = 352.18 m³ @ 1998/-				Rs. 507855.64
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಲೆಟ್ಟಿಕಲ್ಲು ಉಪವಿಭಾಗ ಬಜಪಂಚಿ. ಬೆಂಗಳೂರು	up to 125 t	qty = 63.04 m³			@ 1998/-	Rs. 125952.92
		Above 125 t	qty = 125.64 m³			@ 1998/-	Rs. 263149.40
			Total qty = 440.86				892962.76
							892959=00
(11)	provide and Construct dry lean Cement Concrete M15 CC 1:5:10 bay with opc 25mm size graded granite Metal Coarse aggregate at 0.86 cum & fine aggregate Completed work As per Specification.						
		Qty vide Recorded Excel measurement = 440.86 m³					
		As per Agreement = 256.68 m³				@ 4030.00/-	Rs. 1034420.40
		up to 125 t	qty = 64.17 m³			@ 4030.00/-	Rs. 258605.10
	Checked 23/11 ಸಹಾಯಕ ಅಭಿಯಂತರರು ವಾರ್ಡ್ ನಂ 12. ಲೆಟ್ಟಿಕಲ್ಲು ಬಜಪಂಚಿ. ಬೆಂಗಳೂರು	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಲೆಟ್ಟಿಕಲ್ಲು ಉಪವಿಭಾಗ					

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

166089

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C-Sept						
	Certified that the above measurements are correct for the work executed	Above 125 t	Qty = 120.81 m³			@ 4030.76	Rs. 489500.45
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಲೆಟ್ಟಿಕಲ್ಲು ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು	Total qty = 440.86					Rs. 1782517=00
(19)	providing & laying pre cast Solid Concrete Kerb Stone of size 450 x 200 x 400 mm made out of CC 1:2:4 & finished with (M 1:1)						
	Work as per Specification						
	Qty vide Excel sheet Measurement = 256.68 m³						
	As per Agreement = 256.68 m³					@ 4030.00/-	Rs. 1144560.00
	Total qty = 256.68 m³						
	Checked 23/11 ಸಹಾಯಕ ಅಭಿಯಂತರರು ವಾರ್ಡ್ ನಂ 12. ಲೆಟ್ಟಿಕಲ್ಲು ಬಜಪಂಚಿ. ಬೆಂಗಳೂರು						

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MEASUREMENT BOOK

M.A.R. 57 (Rule 116)

No. C/09

Name of work: 814/22 =00

From: To:

Date of commencement of work:

Date of completion of work:

Audited and admitted for Rs 1049250 7=00

Passed by Cashier for Rs 9678,32[illegible]

Nine Six Lakhs seventy Eight Thousand Three hundred Eighty Five only

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
20	providing & applying Motorary / Asbestos / Cement sheet / plastered surface including water preparing the surface completed as per S.B Specification Complete city wide Recorded Excel Measurement = 42.40 m² As per Agreement = 42.40 m² Total city = 42.40 m² @ 40.00 Rs = 1696.00	ready mix primary coat on Concrete /					
21	providing & applying Acrylic Exterior paint in approved colour Completed work as per Specification. City wide Recorded Excel Measurement = 42.40 m² As per Agreement = 42.40 m² Total city = 42.40 m² @ 90.00 Rs = 3816.00	After filling the surface with Synthetic enamel shades on new plastered Concrete surfaces					

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶಿಕ್ಷಕಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಕ್ಷಕಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
22	providing and fixing name boards of Size 1.2m x 0.6m x 0.04m fixed Each 5,500.00 in reinforced cement Concrete pole of 3.2m above 1.2m x 0.6m x 0.04m in Cement Concrete M20 proportion Completed Level as per S.D Specification. City wide Recorded Excel Measurement = 13 m² As per agreement = 13 m² Total Qty = 13 m² @ 13000/m² Rs = 234000.00						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಕ್ಷಕಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Total - 9368370=00

Add 12% cost - 1124837=00

Grand Total - 1049250 7=00

Total = 9341 392.85

Add 12% CST = 1124323.14

Grand total = 1049 3719.19

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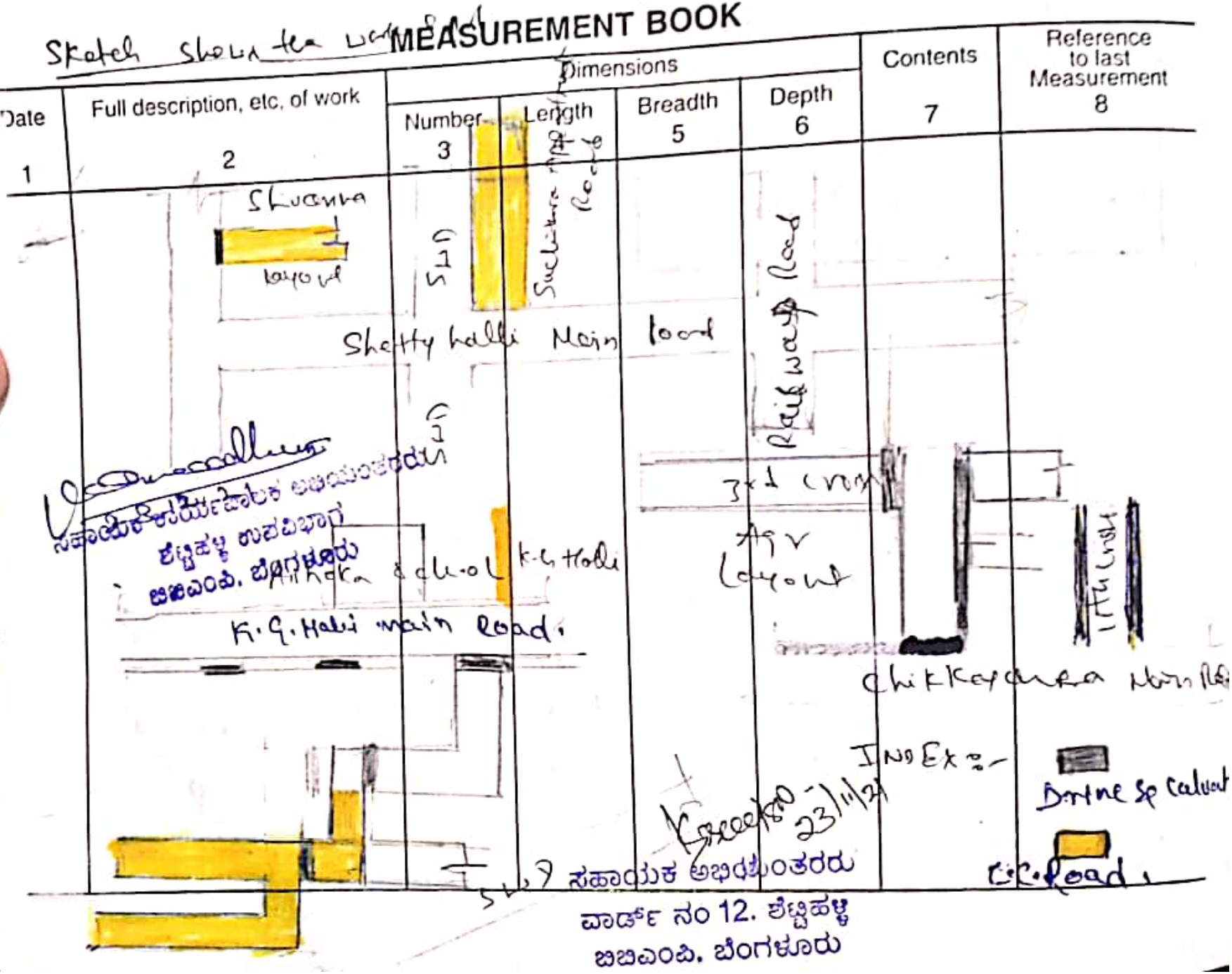
MEASUREMENT BOOK

Sketch showing the Location

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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